

Storm Data and Unusual Weather Phenomena - August 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ARKANSAS, Northwest				
(AR-Z019) CRAWFORD, (AR-Z020) FRANKLIN, (AR-Z029) SEBASTIAN				
	08/01/10 00:00 CST		0	Excessive Heat
	08/06/10 20:00 CST		0	
A strong subtropical high pressure system reestablished itself over the south central United States during the end of July and this pattern persisted through the first several days of August. Exceptionally hot weather was the result with above normal daytime temperatures of 102 to 107 degrees, which combined with high humidity resulted in 110 to 115 degree heat index values. Little relief was felt at night as temperatures only fell to near 80 degrees during the overnight hours.				
BENTON COUNTY --- 0.7 WNW DECATUR [36.34, -94.46]				
	08/01/10 16:13 CST		5K	Thunderstorm Wind (EG 56 kt)
	08/01/10 16:13 CST		0	Source: Law Enforcement
Strong thunderstorm wind blew off the roof of an unoccupied mobile home and blew down trees.				
BENTON COUNTY --- 0.7 NW DECATUR [36.34, -94.46]				
	08/01/10 16:25 CST		20K	Thunderstorm Wind (EG 56 kt)
	08/01/10 16:25 CST		0	Source: Emergency Manager
Strong thunderstorm wind damaged several homes, blew down trees, and destroyed a barn.				
Thunderstorms developed along and to the north of a stationary frontal boundary extending across the area. Some of the thunderstorms produced damaging winds.				
(AR-Z019) CRAWFORD, (AR-Z020) FRANKLIN, (AR-Z029) SEBASTIAN				
	08/08/10 06:00 CST		0	Excessive Heat
	08/15/10 20:00 CST	1	0	
A strong subtropical high pressure system reestablished itself over the south central and southeastern United States during the August 8th through 15th timeframe. Exceptionally hot weather was the result with above normal daytime temperatures of 100 to 105 degrees, which combined with high humidity resulted in 105 to 115 degree heat index values. Little relief was felt at night as temperatures only fell to near 80 degrees during the overnight hours.				
(AR-Z001) BENTON				
	08/13/10 09:00 CST	1	0	Heat
	08/13/10 19:00 CST		0	
Direct Fatalities: F1VE				
Exceptionally hot weather occurred across northwest Arkansas as high temperatures near 100 degrees combined with high humidity values to result in heat index values in the 105 to 110 degree range. A young child died when she was accidentally left in a vehicle for several hours in Bentonville.				
(AR-Z019) CRAWFORD, (AR-Z020) FRANKLIN, (AR-Z029) SEBASTIAN				
	08/19/10 12:00 CST		0	Excessive Heat
	08/22/10 18:00 CST		0	
A strong subtropical high pressure system reestablished itself over the south central United States during the August 19th through 22nd timeframe. Exceptionally hot weather was the result with above normal daytime temperatures of 99 to 102 degrees, which combined with high humidity resulted in 105 to 110 degree heat index values. Little relief was felt at night as temperatures only fell to near 80 degrees during the overnight hours.				
OKLAHOMA, Eastern				
(OK-Z060) TULSA, (OK-Z061) ROGERS, (OK-Z067) WAGONER, (OK-Z070) MUSKOGEE, (OK-Z072) SEQUOYAH				

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	08/01/10 00:00 CST		0	Excessive Heat
	08/06/10 20:00 CST	34	0	

A strong subtropical high pressure system reestablished itself over the south central United States during the end of July and this pattern persisted through the first several days of August. Exceptionally hot weather was the result with above normal daytime temperatures of 101 to 106 degrees, which combined with high humidity resulted in 110 to 115 degree heat index values. Little relief was felt at night as temperatures only fell to near 80 degrees during the overnight hours. The overnight low temperature recorded at the Tulsa International Airport the morning of August 3rd and 4th was 85 and 83 degrees, respectively, which are both usually warm even for northeastern Oklahoma in the summertime. At least 34 people were treated for heat-related illness in Tulsa during this period.

CHEROKEE COUNTY --- 10.0 NNE TAHLEQUAH [36.05, -94.90]

08/01/10 15:03 CST	0	Thunderstorm Wind (EG 52 kt)
08/01/10 15:03 CST	0	Source: Public

The public reported numerous tree limbs broken from strong thunderstorm winds at the Eagle Bluff Resort.

LE FLORE COUNTY --- POTEAU KERR ARPT [35.02, -94.62]

08/01/10 17:53 CST	0	Thunderstorm Wind (MG 51 kt)
08/01/10 17:53 CST	0	Source: AWOS

Strong thunderstorm wind with measured gusts to 59 mph blew down large tree limbs and power lines on the east side of town.

LE FLORE COUNTY --- 0.5 W FANSHAWE [34.95, -94.91]

08/01/10 19:00 CST	0	Thunderstorm Wind (EG 61 kt)
08/01/10 19:00 CST	0	Source: COOP Observer

Strong thunderstorm wind snapped a tree and blew down numerous large tree limbs.

Thunderstorms developed along and to the north of a stationary frontal boundary extending across the area. Some of the thunderstorms produced damaging winds.

(OK-Z054) OSAGE, (OK-Z055) WASHINGTON, (OK-Z056) NOWATA, (OK-Z057) CRAIG, (OK-Z058) OTTAWA, (OK-Z059) PAWNEE, (OK-Z060) TULSA, (OK-Z061) ROGERS, (OK-Z062) MAYES, (OK-Z064) CREEK, (OK-Z065) OKFUSKEE, (OK-Z066) OKMULGEE, (OK-Z067) WAGONER, (OK-Z070) MUSKOGEE, (OK-Z071) MCINTOSH, (OK-Z072) SEQUOYAH, (OK-Z073) PITTSBURG, (OK-Z074) HASKELL, (OK-Z075) LATIMER, (OK-Z076) LE FLORE

08/08/10 06:00 CST	0	Excessive Heat
08/16/10 15:00 CST	17	0

A strong subtropical high pressure system reestablished itself over the south central and southeastern United States during the August 8th through 15th timeframe. Exceptionally hot weather was the result with above normal daytime temperatures of 101 to 106 degrees, which combined with high humidity resulted in 105 to 115 degree heat index values. Little relief was felt at night as temperatures only fell into the 75 to 80 degree range during the overnight hours. Overnight low temperatures only fell into the lower to middle 80s for several consecutive days at Tulsa International Airport, which is highly unusually even for northeastern Oklahoma during the summertime. At least 17 people were treated for heat-related illness in Tulsa during this period.

OKMULGEE COUNTY --- 2.0 S HENRYETTA [35.42, -95.98]

08/12/10 13:58 CST	15K	Thunderstorm Wind (EG 61 kt)
08/12/10 13:58 CST	0	Source: Emergency Manager

Strong thunderstorm wind blew off the roof of a barn, damaged a mobile home, and blew down large tree limbs.

Isolated thunderstorms developed during the afternoon hours across portions of eastern Oklahoma where hot and very humid conditions existed. One storm produced damaging wind.

ROGERS COUNTY --- 2.6 E CATOOSA [36.18, -95.70], 3.8 SSE VERDIGRIS [36.18, -95.65]

08/14/10 03:00 CST	0	Thunderstorm Wind (EG 52 kt)
08/14/10 03:00 CST	0	Source: Public

Strong thunderstorm wind blew down numerous large tree limbs along a two mile stretch near East 580 Road between 241st and 289th East Avenue.

TULSA COUNTY --- 0.7 NW BROKEN ARROW ARPK [36.06, -95.88], 0.8 N BROKEN ARROW ARPK [36.06, -95.87]

08/14/10 03:55 CST	40K	Thunderstorm Wind (EG 61 kt)
08/14/10 03:55 CST	0	Source: NWS Employee

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Strong thunderstorm wind blew down trees and large tree limbs, damaged the roofs of several homes and blew down fences. The damage was confined in a swath from about 3/4 of a mile west of the intersection of Mingo Road and 75th Street South to Mingo Road and 71st Street South.				
Isolated severe thunderstorms developed during the early morning, resulting in localized wind damage across a small area of Tulsa and Rogers Counties.				

MAYES COUNTY --- 4.0 ESE ADAIR [36.41, -95.20]

08/15/10 17:30 CST	0	Thunderstorm Wind (EG 52 kt)
08/15/10 17:30 CST	0	Source: Emergency Manager

Strong thunderstorm wind blew down trees east of Adair.

Thunderstorms developed as a weak surface boundary entered the very hot and humid airmass in place across eastern Oklahoma. Some wind damage occurred in northeast Oklahoma as a result of one of the storms.

(OK-Z049) PUSHMATAHA, (OK-Z053) CHOCTAW, (OK-Z060) TULSA, (OK-Z072) SEQUOYAH, (OK-Z073) PITTSBURG, (OK-Z074) HASKELL, (OK-Z075) LATIMER, (OK-Z076) LE FLORE

08/20/10 02:00 CST	0	Excessive Heat
08/22/10 18:00 CST	4	0

A strong subtropical high pressure system reestablished itself over the south central United States during the August 19th through 22nd timeframe. Exceptionally hot weather was the result with above normal daytime temperatures of 98 to 102 degrees, which combined with high humidity resulted in 105 to 110 degree heat index values. Little relief was felt at night as temperatures only fell into the upper 70s to near 80 degrees during the overnight hours. At least four people were treated for heat-related illness in Tulsa during this period.

OSAGE COUNTY --- 13.0 WSW BURBANK [36.63, -96.94]

08/31/10 16:13 CST	40K	Thunderstorm Wind (EG 61 kt)
08/31/10 16:13 CST	0	Source: Emergency Manager

Strong thunderstorm wind damaged two mobile homes, destroyed two barns, and blew down large tree limbs.

ROGERS COUNTY --- 3.0 SSE INOLA [36.11, -95.48]

08/31/10 18:30 CST	0	Thunderstorm Wind (MG 53 kt)
08/31/10 18:30 CST	0	Source: ASOS

MUSKOGEE COUNTY --- 1.7 N BACONE [35.77, -95.33]

08/31/10 18:50 CST	0	Thunderstorm Wind (EG 52 kt)
08/31/10 18:50 CST	0	Source: Public

Strong thunderstorm wind blew over a set of metal bleachers at Bacone College.

MAYES COUNTY --- PRYOR [36.30, -95.32]

08/31/10 18:51 CST	0	Thunderstorm Wind (EG 52 kt)
08/31/10 18:54 CST	0	Source: Law Enforcement

Strong thunderstorm wind blew down numerous trees and large tree limbs.

Thunderstorms developed ahead of a cold front that pushed into the region. Wind damage occurred across portions of eastern Oklahoma as these storms moved through the area.